


## 1 Identification

- **Product identifier**
- **Trade name: RACING SHOCK OIL**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Lubricant  
Only for proper handling.  
Fork oil
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
  
MOTOREX AG  
Bern–Zürich–Strasse 31, Postfach  
CH–4901 Langenthal  
Tel. +41 (0)62 919 75 75  
www.motorex.com  
  
A1 Accessory Imports  
60-62 Burchill St.  
Loganholme  
4129 QLD  
Australia  
Phone : 07 3451 1300
- **Further information obtainable from:** msds@motorex.com
- **Emergency telephone number:**  
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
  
GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Distillates (petroleum), hydrotreated light naphthenic  
Dec-1-ene, dimers, hydrogenated  
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based  
Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics
- **Hazard statements**  
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.

# Safety Data Sheet

## according to WHS Regulations



Printing date 02.02.2024

Version number 2.3

Revision: 26.05.2023

**Trade name: RACING SHOCK OIL**

(Contd. of page 1)

P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-53-6 EINECS: 265-156-6 Index number: 649-466-00-2	Distillates (petroleum), hydrotreated light naphthenic Asp. Tox. 1, H304	50-70%
CAS: 68649-11-6 NLP: 500-228-5	Dec-1-ene, dimers, hydrogenated Asp. Tox. 1, H304; Acute Tox. 4, H332	10-25%
CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Asp. Tox. 1, H304	≥2.5-≤7.5%
CAS: 64742-46-7 EINECS: 265-148-2	Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics Asp. Tox. 1, H304	≥0.25-≤2.5%

- **Additional information:**

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.  
 For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations



Printing date 02.02.2024

Version number 2.3

Revision: 26.05.2023

**Trade name: RACING SHOCK OIL**

(Contd. of page 2)

Dispose contaminated material as waste according to section 13.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and Storage

· **Handling:**

· **Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

The recommended storage temperature is (deg.C): ≤50°C

Keep container tightly sealed.

· **Storage class:** 10

· **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

· **Additional information about design of technical facilities:** No further data; see section 7.

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

**64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

Inhalative	DNEL / Workers / Local Effects / Long-term	5.4 mg/m <sup>3</sup> (worker)
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**68649-11-6 Dec-1-ene, dimers, hydrogenated**

Inhalative	DNEL/Workers/Systemic effects/acute-short term	60 mg/m <sup>3</sup> (worker)
	DNEL/general pop/Systemic effects/acute-short term	50 mg/m <sup>3</sup> (consumer)

**72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based**

Inhalative	DNEL / Workers / Local Effects / Long-term	5.4 mg/m <sup>3</sup> /8h (worker)
	DNEL/general population/Local effects/Long-term	1.2 mg/m <sup>3</sup> /24h (consumer)

**64742-46-7 Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics**

Dermal	DNEL / Workers / Systemic effects / Long-term	2.9 mg/kg/24h (worker)
Inhalative	DNEL / Workers / Systemic effects / Long-term	16 mg/m <sup>3</sup> (worker)

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

**Trade name: RACING SHOCK OIL**

(Contd. of page 3)

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

· **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

· **Form:**

Fluid

· **Colour:**

Light red

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/freezing point:**

Undetermined.

· **Initial boiling point and boiling range:**

Undetermined.

· **Pouring point**

<-45 °C

· **Flash point:**

123 °C

· **Flammability (solid, gas):**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Explosive properties:**

Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Vapour pressure:**

Not determined.

· **Density at 20 °C:**

0.868 g/cm<sup>3</sup> (ASTM D 4052)

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:**

Not determined.

· **Viscosity:**

· **Dynamic:**

Not determined.

· **Kinematic:**

14.2 mm<sup>2</sup>/s @ 40 °C

· **Solvent separation test:**

· **VOC (EC)**

0.05 %

· **Other information**

No further relevant information available.

## 10 Stability and Reactivity

· **Reactivity** No further relevant information available.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

(Contd. on page 5)

**Trade name: RACING SHOCK OIL**

(Contd. of page 4)

· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological Information

· **Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

### 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic

Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOEL	30-2,000 mg/kg/24h (rat)
	NOAEL	150 mg/kg/24h (mouse) 1,000 mg/kg/24h (rabbit)
Inhalative	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m <sup>3</sup> (rat)
	NOAEL	980 mg/m <sup>3</sup> (rat)

### 68649-11-6 Dec-1-ene, dimers, hydrogenated

Oral	LD50	2,000-5,000 mg/kg (rat)
	NOAEL	1,000-6,771 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)
Inhalative	LC50 / 4h	900-5,200 mg/m <sup>3</sup> (rat)

### 72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse) 30-2,000 mg/kg/24h (rat)
		1,000 mg/kg/24h (rabbit)
Inhalative	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOAEC	980 mg/m <sup>3</sup> (rat)
	NOEC	220 mg/m <sup>3</sup> (rat)

### 64742-46-7 Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
	NOAEL	25-125 mg/kg/24h (rat) 1,000 mg/kg/24h (rabbit)
Inhalative	LOAEL	30 mg/kg/24h (rat)
	LC50 / 4h	1.72-4.6 mg/l (rat)
	NOAEC	880-1,710 mg/m <sup>3</sup> (rat)
	LOEL	23-24 mg/m <sup>3</sup> (rat)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)



# Safety Data Sheet

## according to WHS Regulations



Printing date 02.02.2024

Version number 2.3

Revision: 26.05.2023

Trade name: RACING SHOCK OIL

(Contd. of page 5)

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

## 12 Ecological Information

### · Toxicity

#### · Aquatic toxicity:

##### 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic

LL50 10,000 mg/l/96h (aquatic invertebrates)  
100 mg/l/96h (fish)

LL50 10,000 mg/l/72h (aquatic invertebrates)

LL50 10,000 mg/l/48h (aquatic invertebrates)

LL50 10,000 mg/l/24h (aquatic invertebrates)

EL50 10,000 mg/l/48h (aquatic invertebrates)

##### 68649-11-6 Dec-1-ene, dimers, hydrogenated

NOEC 2 mg/l/28d (microorganisms)

NOEC 23.4-23.5 mg/l/14d (microorganisms)

NOEC 1,000 mg/l/3h (microorganisms)

##### 72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

LL50 10,000 mg/l/96h (aquatic invertebrates)  
100 mg/l/96h (fish)

LL50 10,000 mg/l/72h (aquatic invertebrates)

LL50 10,000 mg/l/48h (aquatic invertebrates)

LL50 10,000 mg/l/24h (aquatic invertebrates)

EL50 10,000 mg/l/48h (aquatic invertebrates)

##### 64742-46-7 Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics

LL50 1.13-65 mg/l/96h (fish)

LL50 21-150 mg/l/72h (fish)

LL50 28-180 mg/l/48h (fish)

LL50 100-1,000 mg/l/24h (fish)

EL50 7.385-210 mg/l/48h (aquatic invertebrates)

EL50 180-1,000 mg/l/24h (aquatic invertebrates)

EL50 1.714-22 mg/l/72h (algae / cyanobacteria)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

#### · Bioaccumulative potential

##### 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic

Partition coefficient 2-6 [---] (log Kow) (Bioaccumulation)

##### 68649-11-6 Dec-1-ene, dimers, hydrogenated

Partition coefficient 6.5 [---] (log Kow) (Bioaccumulation)

Biodegradability 2 % (28d) (Biodegradability) (OECD 301 D)

##### 64742-46-7 Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics

Biodegradability 74 % (28d) (Biodegradability) (OECD 306)

· **Mobility in soil** No further relevant information available.

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations



Printing date 02.02.2024

Version number 2.3

Revision: 26.05.2023

**Trade name: RACING SHOCK OIL**

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Contact waste processors for recycling information.  
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, ADN, IMDG, IATA</b></li> </ul>  | <p>Not classified as hazardous for transport</p> |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG, ADN, IMDG, IATA</b></li> </ul>                            | <p>Not classified as hazardous for transport</p> |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | <p>Not classified as hazardous for transport</p> |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>   | <p>Not classified as hazardous for transport</p> |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> </ul>  | <p>Not applicable.</p>                           |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>  | <p>Not applicable.</p>                           |
| <ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>                        | <p>Not applicable.</p>                           |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>  | <p>Not classified as hazardous for transport</p> |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Australian Inventory of Industrial Chemicals**

64742-53-6	Distillates (petroleum), hydrotreated light naphthenic
68649-11-6	Dec-1-ene, dimers, hydrogenated
64742-57-0	Residual oils (petroleum), hydrotreated
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations



Printing date 02.02.2024

Version number 2.3

Revision: 26.05.2023

Trade name: RACING SHOCK OIL

(Contd. of page 7)

64742-46-7	Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics
72623-86-0	Lubricating oils, C15-30, hydrotreated neutral oil-based
97-88-1	n-butyl methacrylate
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic
72623-86-0	Lubricating oils, C15-30, hydrotreated neutral oil-based
142-16-5	Bis(2-ethylhexyl)maleat
25307-17-9	2,2'-(9-octadecenylimino)bisethanol
1330-20-7	xylene
100-41-4	ethylbenzene
140-88-5	ethyl acrylate
556-67-2	octamethylcyclotetrasiloxane

· **Standard for the Uniform Scheduling of Medicines and Poisons**

1330-20-7	xylene	S6
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· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· **purity requirement**

· **Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H332 Harmful if inhaled.

· **Department issuing SDS:** Abteilung Produktsicherheit

· **Contact:**

· **Abbreviations and acronyms:**

Acute Tox. 4: Acute toxicity – Category 4

Asp. Tox. 1: Aspiration hazard – Category 1

· \* **Data compared to the previous version altered.**

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